

**THE POLYELECTROLYTE COMPOSITION FOR HUMIDITY SENSER,  
POLYELECTROLYTE INK AND PREPARATION METHOD OF  
POLYELECTROLYTE MEMBRANE FOR SENSOR BY INKJET PRINTING**

**ABSTRACT OF THE DISCLOSURE**

This invention relates to a polyelectrolyte composition for a humidity sensor, polyelectrolyte ink and a preparation method of a polyelectrolyte membrane for a humidity sensor by inkjet printing. The polyelectrolyte composition according to this invention is composed of polyelectrolyte, crosslinking agent and organic solvent comprising a single component or in the form of a mixture of two or more solvents such as alcohols. The object of this invention is to provide a polyelectrolyte composition and a polyelectrolyte ink composition suitable for humidity sensor and a preparation method for a reliable humidity sensor with uniform thickness achieved through inkjet printing.